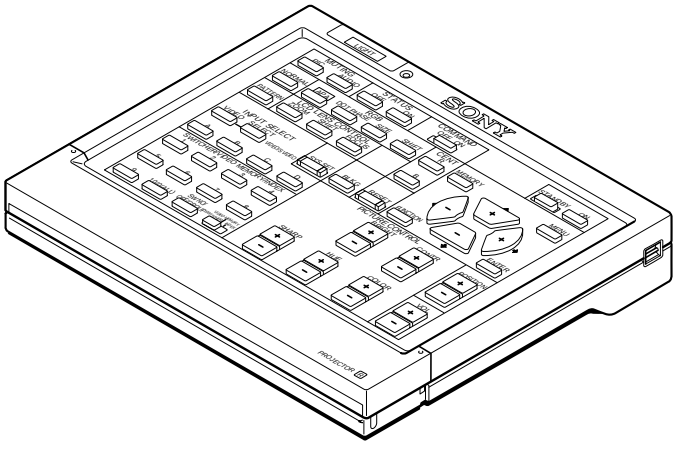
SERVICE MANUAL

MODEL	DEST.	MODEL	DEST.
RM-PJ1001	World		



REMOTE COMMANDER

SONY

⚠WARNING

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

SECTION 1
OPERATING INSTRUCTIONS

This section is extracted from Operating Instructions.

SONY

3-864-769-**01** (1)

Remote Commander

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お買い上げいただきありがとうございます。

⚠警告 電気製品は、安全のための注意事項を守らないと、火災や人身事故になることがあります。

この取扱説明書には、事故を防ぐための重要な注意事項と製品の取り扱いかたを示してあります。**この取扱説明書をよくお読みのうえ、**製品を安全にお使いください。お読みになったあとは、いつでも見られるところに必ず保管してください。

RM-PJ1001

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English

WARNING

For the customers in the USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For the customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

Voor de klanten in Nederland

Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

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Features

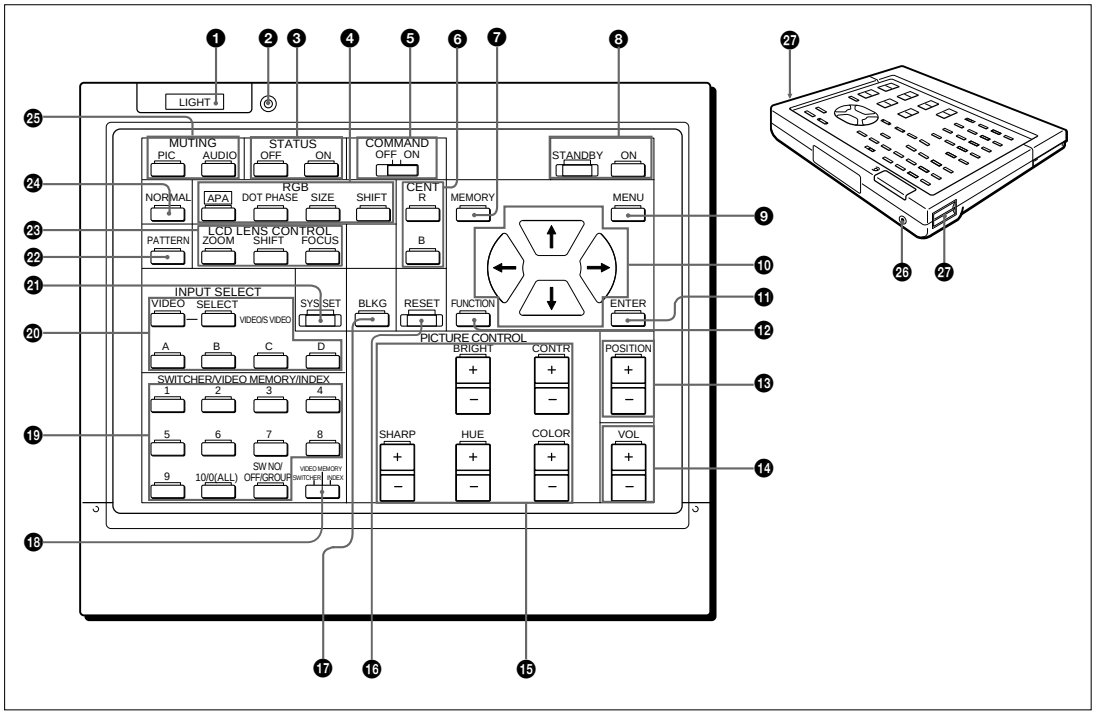
The RM-PJ1001 is a Remote Commander which operates Sony VPD/VPH/VPL/RVP series projectors.
When using two or more projectors, the Commander controls each projector separately or all simultaneously if they are assigned the index numbers set on each projector or the IFB-101 interface board installed on each projector.
The Commander is also used as a wireless commander for projectors equipped with a remote control detector. For details on connection, refer to the instruction manual of the projector and the IFB-101.

Precautions

- Should any liquid or solid object fall into the cabinet, remove the batteries and have the unit checked by qualified personnel before operating it further.
- Keep the unit away from extremely hot or humid places.
- Do not install the unit near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust or humidity, mechanical vibration or shock.
- Keep the unit away from strong magnetic field or mechanical vibration.
- Clean the unit with a dry soft cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine, which might damage the finish.
- Save the original shipping carton and packing material; they will come in handy if you ever have to ship your unit. For maximum protection, repack the unit as it was originally packed at the factory.

EN English

Location and Function of Controls



http://getMANUAL.com

The effective keys for each projector model are limited to the functions of the projector.
The keys and switches marked with * may not function depending on the projector or the type of the input signal.

❶ LIGHT button
Illuminates the key indicators when the COMMAND switch ❺ is set to ON. If the switch is set to OFF, only the COMMAND switch is illuminated.
If you do not press any key on the Commander for more than 30 seconds, the key indicators turn off automatically. The indicators also turn off if you press the LIGHT button again.

❷ Transmission indicator
The light goes on each time a key is pressed. If the indicator does not light when the Commander is used wirelessly, replace the batteries.

❸ STATUS ON/OFF keys
Press OFF to eliminate the on-screen display.
Press ON to restore the on-screen display.

Note

The menus (PAGE) and warning messages appear even if the OFF key is pressed.

❹ RGB keys*
Adjust the picture.
APA: Press to adjust the position of the picture on the screen automatically so that the picture is clearly visible when the signals are input from a computer.
DOT PHASE: Press to adjust the phase of the input signals from LCD panels and INPUT A/B/C connectors (except for 15K/ video/ HDTV signals). After pressing the DOT PHASE key, adjust the position of the picture using the four arrow keys.
SIZE: Enters the size adjustment mode for the input signal. Next adjust the size of the picture using the four arrow keys.
← to reduce horizontal size
→ to expand horizontal size
↑ to expand vertical size
↓ to reduce vertical size
Press the MEMORY key ❼ to store the adjusted value.
SHIFT: Enters the shift adjustment mode for the input signal. Next adjust the position of the picture using the four arrow keys. The picture shifts in the direction of the arrow on the pressed key.
Press the MEMORY key ❼ to store the adjusted value.

❺ COMMAND ON/OFF switch
No keys except for the LIGHT button on the Remote Commander function when this switch is set to OFF.
This saves battery power, preventing the keys from being accidentally pressed when not in use or when being carried in a bag, etc.

Location and Function of Controls

❻ CENT R/B keys*
Enter the centering adjustment mode of the red and blue.
R: Press to enter the red centering adjustment mode.
B: Press to enter the blue centering adjustment mode.
Perform the centering adjustment using the four arrow keys.

❼ MEMORY key*
Stores various settings and adjusted data into memory.

❽ ON/STANDBY keys*
Press the ON key to turn the projector on when the projector is in standby mode. To turn it off, press the STANDBY key.

❾ MENU key*
Press to display the menus. Press it again to turn off the menu.

❿ Arrow keys
Adjust the picture on the screen, and in the menus adjust the values or select items.

⓫ ENTER key
Stores the settings in the menu.
The key is also used to designate and to display the index number.

⓬ FUNCTION key*
If the projector has extended functions, press the key to use them.

⓭ POSITION +/– keys*
Selects the position to be adjusted on the screen in the blanking adjustment mode.
These keys also adjust the position of the RGB signals on the screen.

⓮ VOL (volume) +/– keys*
Adjust the volume.

⓯ PICTURE CONTROL +/– keys*
Adjust the picture conditions: CONTR (contrast), BRIGHT (brightness), COLOR, HUE and SHARP (sharpness).

⓰ RESET key*
Resets the adjusted levels to the initial setting levels, etc.

⓱ BLKG (blanking) adjustment key*
Enters the blanking adjustment mode.
Next, press POSITION +/– key ⓭ to select the position to be adjusted on the screen, and then adjust the position using the arrow keys.

⓲ SWITCHER/VIDEO MEMORY/INDEX select switch*
Selects the function of the SWITCHER/VIDEO MEMORY/ INDEX keys.
Set to SWITCHER to select the input from the PC-3000 or the PC-1271 series signal interface switcher.
Set to VIDEO MEMORY to select settings or adjusted data.
Set to INDEX to select a projector by its index number when multiple projectors are used.

⓳ SWITCHER/VIDEO MEMORY/INDEX keys*

When the SWITCHER/VIDEO MEMORY/INDEX select switch is set to SWITCHER

When the PC-3000 or the PC-1271 series switcher is connected to the projector, press a number key (1 to 8) to select the input from the switcher. Number key 9 and the 10/0 (ALL) key do not function.

To select an input when multiple switchers are connected, set the SWITCHER/VIDEO MEMORY/INDEX select switch to SWITCHER, then press the **SW NO**/OFF/GROUP key. Next press the switcher number (1 to 8) and the input number (1 to 8) in sequence. Be sure to press the keys one after another within 2 seconds.

e.g. To select input 4 of switcher 2, press the keys as follows:
SW NO → 2 → 4.

When the SWITCHER/VIDEO MEMORY/INDEX select switch is set to VIDEO MEMORY

Select the number of the VIDEO MEMORY when the projector has a VIDEO MEMORY function. To select the data set and adjusted in INPUT MEMORY, press the SW NO/**OFF**/GROUP key to set VIDEO MEMORY to OFF.

Note

The 10/0 (ALL) key can be used as "10" key only when the select switch is set to VIDEO MEMORY.

When the SWITCHER/VIDEO MEMORY/INDEX select switch is set to INDEX

When multiple projectors are connected, select the projector to be adjusted by the index number set on each projector or the IFB-101 interface board installed on each projector.

Press the index number (1 to 99) and press the ENTER key. Be sure to press the keys one after another within 2 seconds.

e.g. To select 1, press the keys as follows:
0 → 1 → ENTER, or 1 → ENTER.
To select 12, press the keys as follows:
1 → 2 → ENTER.

When adjusting all the projectors simultaneously, press the 10/0 (ALL) key and ENTER key.

Note

Depending on the projector, pressing "0", "0" and "ENTER" is not effective.

To select the projector to be adjusted when the projectors are divided into multiple groups

First select the group number and then the projector's index number.

To select a group, press the SW NO/OFF/**GROUP** key, the group number (1 to 99) and the ENTER key in sequence. When the group has a double-digit number, be sure to press the SW NO/OFF/**GROUP** key before pressing each number key.

Then press the index number of the projector (1 to 99) and finally press the ENTER key.

e.g. To select the index number 52 projector in group 91, press the keys as follows:
GROUP → 9 → GROUP → 1 → ENTER → 5 → 2 → ENTER.

Location and Function of Controls

⓴ INPUT SELECT keys*

Selects the input signal.

VIDEO: Selects the signals of equipment connected to the VIDEO IN or S VIDEO IN connector of the projector.

SELECT (VIDEO/S VIDEO): Select the composite video or S video signal input after pressing the VIDEO key. Each press of the key changes the input signal.

A: The RGB, component or HDTV signal input from the INPUT A connectors of the projector or the interface board installed to the INPUT A block of the projector

B: The signal input from the INPUT B connectors of the projector or the interface board installed to the INPUT B block of the projector

C: The signal input from the INPUT C connectors of the projector

D: The signal input from the INPUT D connectors of the projector

㉑ SYS SET (system set) key*

When the signal interface switcher PC-3000 is used in the system, press the key to confirm the status of the system, the settings of the interface board, and so on.

㉒ PATTERN key

Displays the internal test patterns of the projector. Each press of the key advances the test pattern sequentially.

㉓ LCD LENS CONTROL keys*

Adjusts the picture of the LCD projector, etc.

To adjust, press one of the ZOOM/SHIFT/FOCUS keys and the arrow keys (↑ or ↓) in sequence.

Depending on the projector, adjustment can be made by pressing one of the ZOOM/SHIFT/FOCUS keys and the arrow keys (↑ or ↓) simultaneously.

㉔ NORMAL key*

Cancels the test pattern or the adjustment mode.

㉕ MUTING keys*

PIC: Cuts off the picture. To restore the picture, press the key again.

AUDIO: Cuts off the sound. To restore the previous sound level, press the key again.

㉖ CONTROL S OUT jack*

Connect the supplied remote control cable to this jack and to the CONTROL S IN jack of the projector for wired remote control operation.

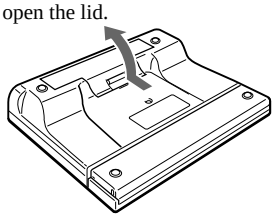
When the Commander is connected to the CONTROL S IN/PLUG IN POWER jack of the projector via the remote control cable (stereo), the power for the Remote Commander is supplied from the projector.

㉗ Hooks for strap

Used to attach a strap, etc.

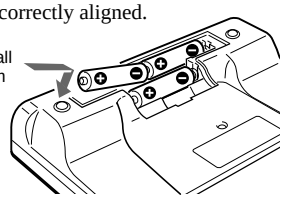
Battery Installation

1 Push to open the lid.

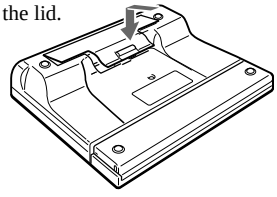


2 Install three R6 (size AA) batteries (supplied) with the polarities correctly aligned.

Be sure to install the battery from the ⊖ side.



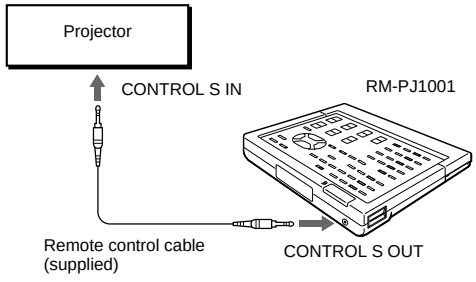
3 Replace the lid.



Notes on batteries

- If the projector does not operate properly, the batteries might be worn out. Replace all three of them with new ones.
- To avoid damage from possible battery leakage, remove the batteries when the Remote Commander will not be used for a long time.
- The life of the batteries depends on frequency of Remote Commander usage and how often you use the LIGHT button. If they wear out quickly, replace them with new alkaline batteries.

Connecting to the Projector



Notes for wireless remote control operation

- Make sure that there are no obstructions between the Remote Commander and the projector.
- Operating range is limited. The shorter the distance between the Remote Commander and the projector, the wider the angle in which the Remote Commander can control the projector.
- When you connect the Remote Commander to the projector using the remote control cable, the remote control detector of the projector does not function. For wireless operation, be sure to disconnect both plugs from the projector and the Remote Commander.

Notes for wired remote control operation

- When you connect the Remote Commander using the supplied remote control cable (stereo), it functions without batteries. However, the LIGHT button may not function without batteries depending on the projector.
- When you connect the Remote Commander using a monaural remote control cable (not supplied), it functions only when the batteries are installed.

Specifications

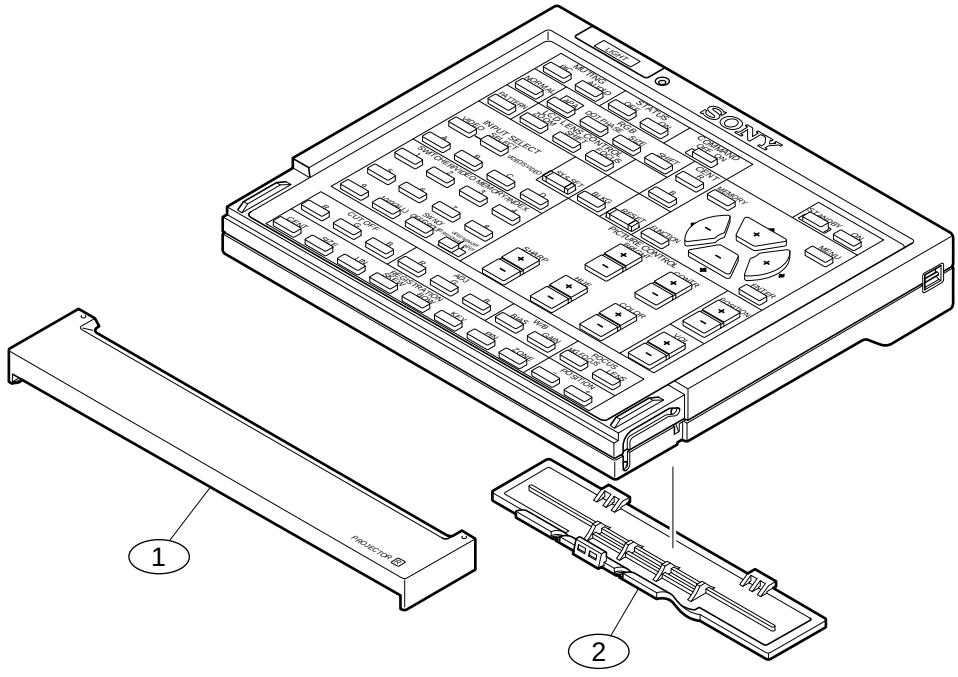
Remote control system
Wireless by infrared control/Wired
Power requirements
4.5 V DC, 3 IEC designation R6 (size AA) batteries
5 V DC, supplied from the PLUG IN POWER jack of the projector
Operating temperature
0 °C to 40 °C (32 °F to 104 °F)
Dimensions Approx. 165 × 35 × 141 mm (w/h/d) ($6\ ^{1}/_{2} \times 1\ ^{7}/_{16} \times 5\ ^{3}/_{4}$ inches)
Mass Approx. 285 g (10 oz) not including batteries
Accessories supplied
Remote control cable (with stereo miniplugs) 15 m (1)
R6 (size AA) batteries (3)
Operating Instructions (1)
Applicable projectors
RVP series
VPD series
VPH series (except for VPH-100X series and VPH-104X series)
VPL series (except for VPL-35X series)

Design and specifications are subject to change without notice.

SECTION 2
EXPLODED VIEWS

Note:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



Ref.No.	Part No.	Description
1	9-939-510-01	COVER, KEY
2	9-881-527-01	COVER, BATTERY
	3-864-769-01	MANUAL, INSTRUCTION (JAPANESE, ENGLISH, FRENCH, GERMAN, ITALIAN, SPANISH, CHINESE)

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